

Converting Colors

XYZ(31.2914, 43.0159, 7.9233)

Have a look what the booklet for
XYZ(31.2914, 43.0159, 7.9233)
contains.

XYZ(31.3938, 43.1695, 7.9742)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.3938, 43.1695,
7.9742)**

Conversions

Conversions Part 1

Format	Color
Hex	98BD1F
RGB	152, 189, 31
RGB Percent	60%, 74%, 12%
CMY	0.4039, 0.2588, 0.8784
CMYK	0.20, 0.00, 0.84, 0.26
HSL	74°, 72%, 43%
HSV	74°, 84%, 74%
XYZ	31.3938, 43.1695, 7.9742
YIQ	159.9250, 28.6660, -56.9820

Conversions

Conversions Part 2

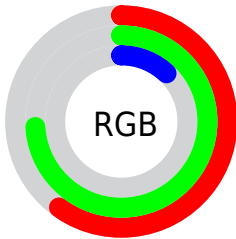
Format	Color
RYB	31, 189, 68
Decimal	10009887
CIELab	71.67, -32.26, 67.48
CIElCh	72, 74.794, 115.553
Yxy	43.1695, 0.3804, 0.5230
Android (android.graphics.Color)	4288199967 (0xFF98BD1F)
YUV	159.9250, -63.5600, -6.9502
Hunter-Lab	65.7035, -29.6920, 38.7966

Details

The XYZ color **31.3938, 43.1695, 7.9742** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **12.0608, 5.8841, 48.6467**, and the grayscale version is **33.6549, 35.4075, 38.5588**.

A 20% lighter version of the original color is **61.2065, 79.7968, 22.5323**, and **13.6280, 20.0951, 3.1605** is the 20% darker color. If you saturate the color by 10%, you get **30.4012, 42.6801, 6.9870**, and if you desaturate by 10%, it is **32.5652, 43.7371, 9.7330**.

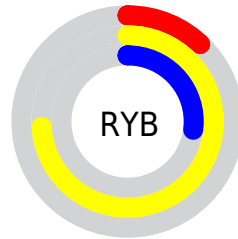
Distribution



Red (60%)

Green (74%)

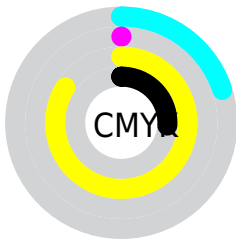
Blue (12%)



Red (12%)

Yellow (74%)

Blue (27%)

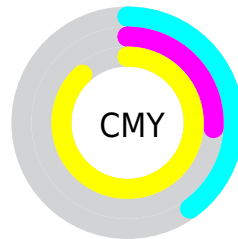


Cyan (20%)

Magenta (0%)

Yellow (84%)

Black (26%)



Cyan (40%)

Magenta (26%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3938, 43.1695, 7.9742 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.3938, 43.1695, 7.9742 by changing the saturation by 10% instead.

■ 31.3938, 43.1695,
7.9742

■ 31.3938, 43.1695,
7.9742

300.1431,
359.3084, 185.4566

■ 21.0522, 30.0181,
3.9909

■ 61.2312, 79.9666,
22.4532

■ 13.2748, 19.8524,
1.6204

■ 81.4577, 104.3811,
33.7860

■ 7.6964, 12.2878,
0.3053

■ 105.7098,
133.3187, 48.4056

■ 3.9514, 6.9400,
0.0000

■ 134.3530,
167.1640, 66.7308

■ 1.6747, 3.4246,
0.0000

■ 167.7525,
206.3012, 89.1799

■ 0.4404, 1.3572,
0.0000

■ 206.2738,

■ 0.0000, 0.1849,

251.1147, 116.1715

0.0000

250.2822,
301.9890, 148.1242

■ 0.0000, 0.0000,
0.0000

■ 31.3938, 43.1695,
7.9742

■ 31.3938, 43.1695,
7.9742

■ 30.4012, 42.6801,
6.9870

■ 32.5652, 43.7371,
9.7330

■ 29.8293, 42.3930,
6.6105

■ 33.9351, 44.3862,
12.3780

■ 35.5233, 45.1263,
16.0075

■ 37.3461, 45.9638,
20.7061

■ 39.4182, 46.9048,
26.5493

■ 41.7529, 47.9547,
33.6060

■ 44.3626, 49.1183,
41.9392

■ 47.2588, 50.4003,
51.6081

■ 50.4521, 51.8051,
62.6677

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9494, 43.1695, 6.1139



31.3938, 43.1695, 7.9742



24.0408, 43.1695, 17.5524

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.3938, 43.1695, 7.9742



28.7356, 43.1695, 131.2178



70.4300, 43.1695, 52.6244

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.3938, 43.1695, 7.9742



12.0608, 5.8841, 48.6467

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.5805, 43.1695, 98.5493



31.3938, 43.1695, 7.9742



39.1712, 43.1695, 156.5316

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.3938, 43.1695, 7.9742



22.7422, 43.1695, 83.9829



52.4633, 43.1695, 142.2384



67.1704, 43.1695, 22.8736

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.3938, 43.1695, 7.9742



21.6713, 43.1695, 31.6571



52.4633, 43.1695, 142.2384



69.4355, 43.1695, 66.6492

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.3948, 43.1714, 7.9751



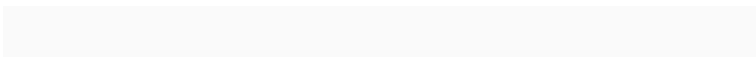
73.9847, 85.5280, 57.7370



23.2943, 15.0374, 2.9716



15.5890, 18.2482, 11.4373



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3948, 43.1714, 7.9751



53.1993, 75.8073, 11.8284



21.2043, 37.9180, 7.4982



10.0979, 11.0049, 10.1686



20.1390, 28.5579, 4.4508



0.8430, 1.1465, 0.1769

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.0608, 5.8841, 48.6467



18.1574, 7.4601, 86.7091



21.6857, 10.8459, 49.0972



9.2201, 9.3303, 11.9872



6.9442, 2.8659, 32.5801



0.3318, 0.1431, 1.2790

Previews

White Background



This preview shows how the XYZ color 31.3938, 43.1695, 7.9742 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.3938, 43.1695, 7.9742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3938, 43.1695, 7.9742

Background



This preview shows how black text looks on a background with the XYZ color 31.3938, 43.1695, 7.9742.



This preview shows how white text looks on a background with the XYZ color 31.3938, 43.1695,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.3938, 43.1695, 7.9742

Protanopia

38.7491, 43.0001, 7.2945

Deuteranopia

43.6251, 42.6775, 8.4209



Tritanopia

40.9680, 43.0932, 54.8738

Trichromacy



Original Color

31.3938, 43.1695, 7.9742

Protanomaly

35.7895, 42.9553, 7.5035

Deuteranomaly

38.0247, 42.0274, 8.1155

Tritanomaly

35.5890, 42.3951, 28.1371

Monochromacy



Original Color

31.3938, 43.1695, 7.9742

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.4482, 37.4862, 21.2008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3938, 43.1695, 7.9742 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(152, 189, 31)` looks like.

```
.text, #text, p{  
    color:rgb(152, 189, 31)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(152, 189, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 189, 31) }
```

Border

The CSS property to change the border of an element to XYZ 31.3938, 43.1695, 7.9742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 189, 31) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(152, 189, 31) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(152, 189, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 189, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 189, 31);  
box-shadow:4px 4px 4px 4px rgb(152, 189,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3938, 43.1695, 7.9742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 189, 31) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(152,  
189, 31) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor